

Hannah R. Jahnke, Ph.D.

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EDUCATION

May 2020	Ph.D. Anthropology, University of North Carolina at Chapel Hill <i>Dissertation:</i> Madres Sanas, Bebés Sanos: The Intergenerational Effects of Maternal Stress in the Galápagos Islands
May 2016	M.A. Anthropology, University of North Carolina at Chapel Hill
June 2012	B.A. Anthropology, Northwestern University (cum laude), minor in Global Health

PROFESSIONAL EXPERIENCE

June 2020 – present	Intramural (IRTA) Postdoctoral Fellow National Institutes of Health (NIH) National Institute of Environmental Health Sciences (NIEHS) Epidemiology Branch, Fertility and Reproductive Health Group
Aug 2015 – May 2020	Pre-Doctoral Trainee Carolina Population Center
Jan 2018 – Dec 2018	Fulbright-Hays Fellow Fulbright Association, Ecuador
July 2018 – Aug 2018	Content Consultant The Demographic and Health Surveys Program
June 2012 – Aug 2014	Research Project Coordinator Northwestern Feinberg School of Medicine

GRANTS & FELLOWSHIPS**EXTERNAL**

2016-2018	National Institutes of Health <i>Eunice Kennedy Shriver</i> National Institute of Child Health and Human Development Training Grant (T32-HD007168) through the Carolina Population Center, \$70,000
2017	Fulbright-Hays Doctoral Dissertation Research Abroad Fellowship (P022A170061), \$25,758
2017	National Science Foundation Doctoral Dissertation Research Improvement Grant (BCS-1730297), co-PI, \$19,995

INTERNAL

2020	University of North Carolina Graduate and Professional Student Federation Award, \$400
2020	Mellon Conference Award, \$400
2019	Mellon Conference Travel Award, \$300
2018	University of North Carolina Off-Campus Dissertation Award, \$10,000
2017	Center for Galápagos Studies Graduate Student Scholarship, \$1000

2017	University of North Carolina Graduate Student Transportation Grant, \$400
2016	Mellon Pre-Dissertation Travel Award, \$1500
2015	Harriet J. Kupferer Graduate Exploratory Summer Research Award, \$1000
2015	Center for Global Initiatives Pre-Dissertation Travel Award, \$700
2015	Tinker Grant Pre-Dissertation Travel Award, \$1350
2011	Hills-Urbina Global Health Studies Fellow, Northwestern University
2010-2012	Women's Board Endowed Scholarship, Northwestern University
2009-2012	J.G. Nolan Scholar, Northwestern University

HONORS & AWARDS

2018	Fulbright-Hays Doctoral Dissertation Research Abroad Fellow
2015	National Science Foundation Graduate Research Fellowships Program, Honorable Mention
2012	Department Honors in Anthropology, Northwestern University

BOOK CHAPTERS

(in press). **Jahnke, JR**, Thompson AL, Archer NT, Ochoa J. Health Across the First 1000 Days in the Galápagos Islands. *A Little World within Itself: Water, Food, and Human Health in the Galápagos, Ecuador*. Eds. Amanda Thompson, Valeria Ochoa-Herrera and Enrique Terán. Springer.

(in press). **Jahnke, JR**, Archer NT, Thompson AL, Ocampo J, Bentley ME. Health Seeking Behavior and Perceptions of Care: Underutilization of Public Health Care on the Galápagos Islands. *A Little World within Itself: Water, Food, and Human Health in the Galápagos, Ecuador*. Eds. Amanda Thompson, Valeria Ochoa-Herrera and Enrique Terán. Springer.

(in press). Waldrop, J, Sherwood G, Ledford A, Martinez B, **Jahnke JR**. Facilitating Evidence-Based Nursing and Humane Health Care through Professional Development. *A Little World within Itself: Water, Food, and Human Health in the Galápagos, Ecuador*. Eds. Amanda Thompson, Valeria Ochoa-Herrera and Enrique Terán. Springer.

REFEREED ARTICLES

2021. **Jahnke, JR**, Terán E, Murgueitio F, Cabrera H, Thompson AL. Maternal stress, placental 11 β -hydroxysteroid dehydrogenase type 2, and infant HPA axis development in humans: Psychosocial and physiological pathways. *Placenta*, 104, 179-187. doi: 10.1016/j.placenta.2020.12.008

2019. **Jahnke, JR**, Houck KM, Bentley ME, Thompson AL. Rising rates of caesarean delivery in Ecuador: Socioeconomic and institutional determinants over two decades. *Birth*, 46(2), 335-343. doi:10.1111/birt.12421

2019. Thompson, AL, Houck K, **Jahnke JR**. Pathways linking Caesarean delivery to early health in a dual burden context: immune development and the gut microbiome in infants and children from Galapagos, Ecuador. *American Journal of Human Biology*, 31(2), e23219. doi: 10.1002/ajhb.23219.

SELECTED PRESENTATIONS

- 2020 **Jahnke, JR**, AL Thompson. Maternal perinatal stress and depression shape the infant gut microbiome in humans: Evidence from the Galápagos Islands. Human Biology Association 45th Annual Meeting. Los Angeles, California. April 2020. *presentation not possible due to COVID-19 cancellation. (poster presentation)
- 2019 **Jahnke, JR**. The microbiome and the developmental niche: Pathways to infant gut health. Carolina Population Center Interdisciplinary Workshop. Chapel Hill, North Carolina. October 2019. (paper presentation)
- 2019 **Jahnke, JR**, E Terán, ME Bentley, F Murgueitio, AL Thompson. Madres sanas, bebés sanos: maternidad, estrés, y salud infantil en la isla San Cristóbal (Healthy moms, healthy babies: motherhood, stress, and infant health on San Cristóbal Island). IV Simposio de Investigación y Conservación en Galápagos. Isla San Cristóbal, Galápagos. June 2019. (paper presentation)
- 2019 **Jahnke, JR**, Thompson, AL. Effects of maternal perinatal stress on cortisol regulation in the Galápagos Islands: implications for the HPA axis and developmental origins of health and disease. Human Biology Association 44th Annual Meeting. Cleveland, Ohio. March 2019. (paper presentation)
- 2019 **Jahnke, JR**. The intergenerational effects of maternal stress in the Galápagos Islands. North Carolina Conference on Latin American Studies. Chapel Hill, North Carolina. February 2019. (paper presentation)
- 2018 **Jahnke, JR**. Madres Sanas, Bebés Sanos: An anthropological look at maternity on the Galápagos Islands. Fulbright Hays Seminars Abroad Conference. Puerto Ayora, Santa Cruz, Galápagos, Ecuador. August 2018. (paper presentation)
- 2017 Thompson, AL, **JR Jahnke**, KM Houck, ME Bentley. *Prácticas de nacimiento y desarrollo inmune infantil en Galápagos y en el continente* (Birth practices and infant immune development in the Galápagos and on the continent). II Simposio de Investigación y Conservación DPNG-GSC en Galápagos. Isla San Cristóbal, Galápagos. July 2017. (paper presentation)
- 2017 Bentley, ME, J Ocampo, AL Thompson, C Harlan, **JR Jahnke**, NT Archer, MB Ocampo. *Salud en las Islas Galápagos: explorando percepciones de salud en San Cristóbal* (Health on the Galápagos: exploring perceptions of care on San Cristóbal). II Simposio de Investigación y Conservación DPNG-GSC en Galápagos. Isla San Cristóbal, Galápagos. July 2017. (paper presentation)
- 2017 **Jahnke, JR**, KM Houck, ME Bentley, AL Thompson. Care and rising rate of caesarean-section in Ecuador. Human Biology Association 42nd Annual Meeting. New Orleans, Louisiana. April 2017. (poster presentation)
- 2017 **Jahnke, JR**. Prenatal care and rising rate of Caesarean Section in Ecuador. Anthropological Investigations of the Relationship between Socioeconomic Conditions and Health Panel. Southeastern Council of Latin American Studies Conference. Chapel Hill, North Carolina. March 2017. (paper presentation)
- 2017 **Jahnke, JR**. Ecuador's fractured health care system and effects on Caesarean section rates from 1989 – 2012. Carolina Population Center Interdisciplinary Workshop, Flash Talk Series. Chapel Hill, North Carolina. March 2017. (paper presentation)

- 2016 **Jahnke, JR**, KM Houck, ME Bentley, AL Thompson. Social and economic change and rising rates of caesarean-section deliveries in Ecuador. Human Biology Association 41st Annual Meeting. Atlanta, Georgia. April 2016. (poster presentation)
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TEACHING ACTIVITIES

- July 2020 **Guest Lecture**, University of North Carolina at Chapel Hill, Chapel Hill, NC
Anthropology 318: Human Growth and Development
Instructor: Jacob Griffin, M.A.
“The developmental origins of health and disease”
- July 2020 **Guest Lecture**, University of North Carolina at Chapel Hill, Chapel Hill, NC
Anthropology 151: Food and Culture
Instructor: Stephanie Berger, M.A.
“Food insecurity and health”
- Jan 2020 – May 2020 **Teaching Assistant**, University of North Carolina at Chapel Hill, Chapel Hill, NC
Anthropology 319: Global Health
Instructor: Amanda Thompson, Ph.D., M.P.H.
- Aug 2019 – Dec 2019 **Teaching Assistant**, University of North Carolina at Chapel Hill, Chapel Hill, NC
Nutrition 175: Introduction to Food Studies: From Science to Society
Instructor: Beth Mayer-Davis, Ph.D. & Melinda Beck, Ph.D.
- Jan 2019 – May 2019 **Teaching Assistant**, University of North Carolina at Chapel Hill, Chapel Hill, NC
Anthropology 319: Global Health
Instructor: Amanda Thompson, Ph.D., M.P.H.
- Feb 2018 – Aug 2018 **English Language Instructor**, Golden Bay Hotel, San Cristóbal, Ecuador
Beginner and Intermediate English for Spanish-speakers
- Oct 2017 **Guest Lecture**, University of North Carolina at Chapel Hill, Chapel Hill, NC
Geography 269: Human Environment Interactions in the Galápagos
Instructor: Stephen J. Walsh, Ph.D.
“Human biology research in the Galápagos”
- Oct 2016 **Guest Lecture**, University of North Carolina at Chapel Hill, Chapel Hill, NC
Geography 269: Human Environment Interactions in the Galápagos
Instructor: Stephen J. Walsh, Ph.D.
“The intergenerational effects of stress: An anthropological perspective”
- Jan 2016 – May 2016 **Teaching Assistant**, University of North Carolina at Chapel Hill, Chapel Hill, NC
Anthropology 222 / Women’s Studies 222: Prehistoric Art
Instructor: Silvia Tomášková, Ph.D.
- Aug 2015 – Dec 2015 **Teaching Assistant**, University of North Carolina at Chapel Hill, Chapel Hill, NC
Anthropology 123: Habitat and Humanity
Instructor: Lorraine Aragon, Ph.D.
- Jan 2015 – May 2015 **Teaching Assistant**, University of North Carolina at Chapel Hill, Chapel Hill, NC
Anthropology 143: Human Evolution and Adaptation

Instructor: Steve Corbett, Ph.D.

Aug 2014 – Dec 2014 **Teaching Assistant**, University of North Carolina at Chapel Hill, Chapel Hill, NC
 Anthropology 123: Habitat and Humanity
 Instructor: Lorraine Aragon, Ph.D.

MENTORING ACTIVITIES

Aug 2015 – present **Alumni Mentor**, Northwestern University Public Health Mentorship Program
 Mentor undergraduates on career building topics, including international research, research methods, grant writing, résumé building and the job search process, networking and interview skills, careers in public health, and navigating graduate school applications

Aug 2018 – May 2020 **Peer Mentor**, Human Biology Lab, University of North Carolina at Chapel Hill
 Mentor more junior graduate students and undergraduates in the lab in biological specimen collection, lab analysis, statistical modeling, and grant writing

June 2017 – May 2020 **Mentor**, Galápagos Research Group, University of North Carolina at Chapel Hill
 Mentor more junior graduate students and undergraduates from a variety of departments including anthropology, nutrition, environmental science in data collection, biomarker collection methods, survey administration, and grant writing

June 2016 – Dec 2018 **Mentor**, Galápagos Science Center, San Cristóbal, Ecuador
 Train Ecuadorian collaborators and research assistants in biomarker collection methods, survey administration, interview methods, and ethics protocols

PROFESSIONAL SERVICE

2018 – pres. **Journal Peer Reviewer**
 PLOS ONE, Environment International, International Journal for Equity in Health, The Journal for Nurse Practitioners

2020 **Website Content Creator & Administrator**, UNC Center for Galapagos Studies

2014 – 2020 **Member**, Galápagos Research Group, *UNC-CH*

2015 – 2019 **Website Administrator**, UNC-CH Human Biology Lab

2016 – 2020 **Director of Social Engagement**, Center for Galápagos Studies, *UNC-CH*

2014 – 2020 **Member**, UNC-CH Human Biology Lab

2014 – 2020 **Member**, UNC-CH Society for Anthropology Students

2016 – 2017 **Member**, Evolutionary Perspectives on Global Health: Plasticity and Pathways

2016 – 2017 **Welcome Week Committee**, UNC Society for Anthropology Students

2015 – 2016 **Social Chair**, UNC Society for Anthropology Students

PROFESSIONAL MEMBERSHIPS

Human Biology Association
 Society for Epidemiologic Research
 Society for Pediatric and Perinatal Epidemiologic Research
 Population Association of America